Local RFID Mode

eM4 Controller Wallbox
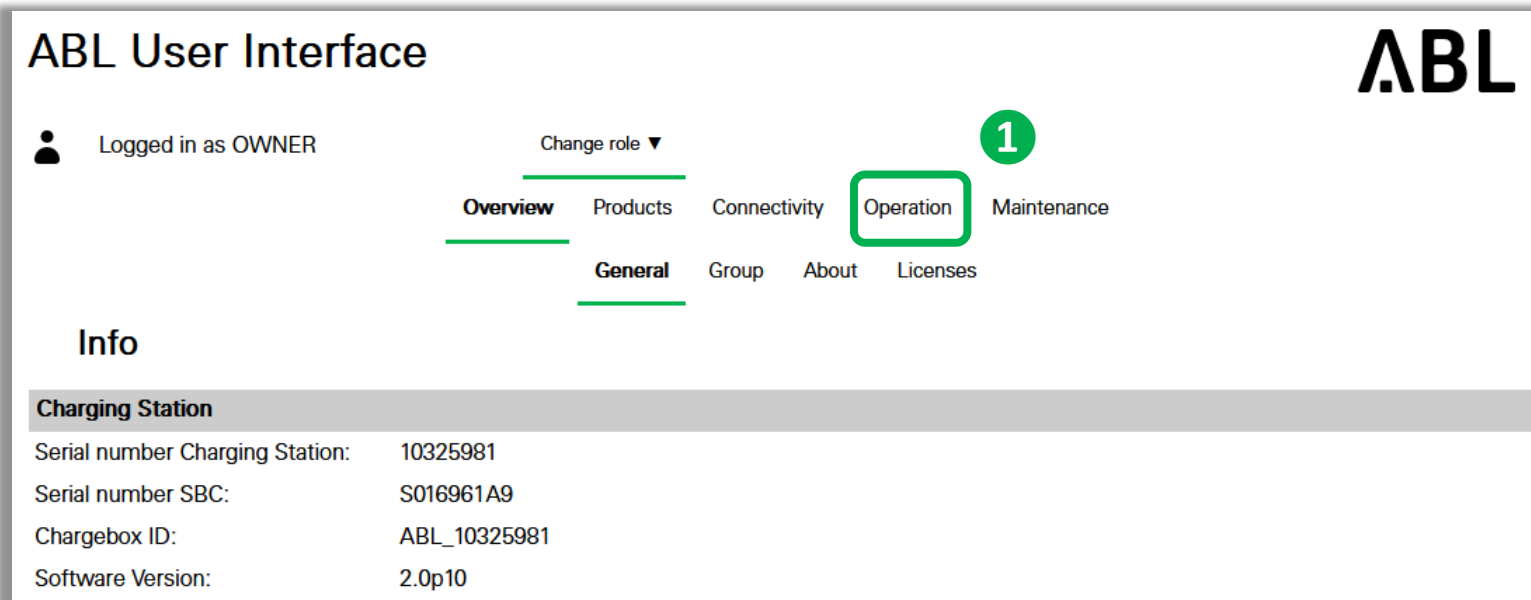
Local RFID Mode

Converting an eM4 controller or an eM4 group (controller / extender)to "Local RFID Mode" is only possible after the complete configuration via the ABL Configuration App.

→ This switches off the backend connection and it is possible to teach in RFID cards directly in the controller wallbox.

→ You can reach the SBC web admin in various ways, e.g. via a laptop, a tablet or a smartphone - description from page 8 onwards
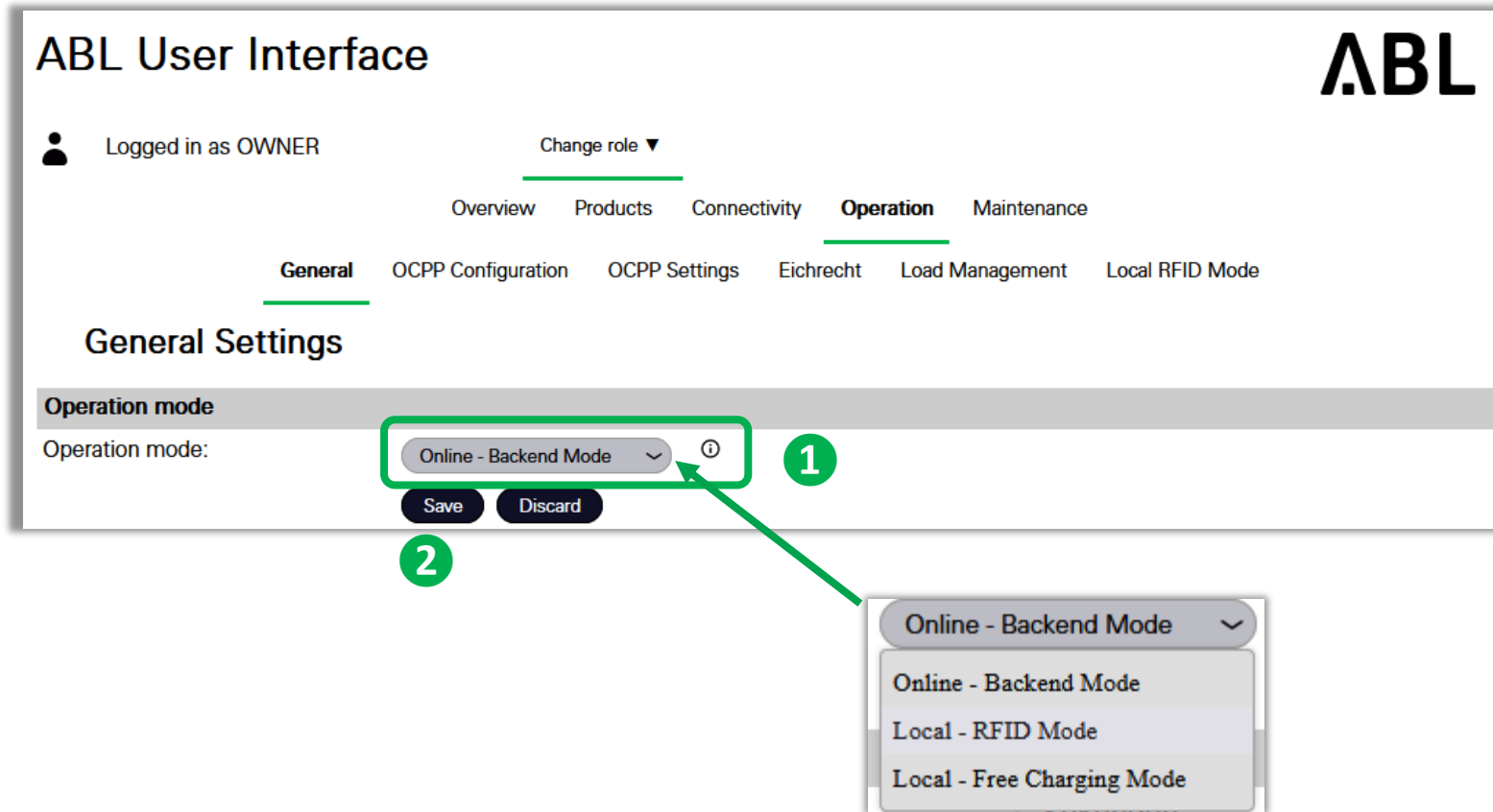
Local RFID Mode – User Interface

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Local RFID Mode

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1. **Switch to the operating mode "Local - RFID Mode"**

   Alternatively, "Free Charging" can also be selected here (Free Charging Mode)

2. **Save**

Local RFID Mode

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① Switch to the "Local - RFID Mode" tab

② Click on "Add RFID-Card" and present the RFID card in front of the RFID reader of the wallbox

Local RFID Mode

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1. **Card UID is read and displayed**

2. **Enter name for card (e.g. User name)**

3. **Enter the number of the charging point for which the RFID card is to be valid**
   - e.g. 1 for chargepoint 1
   - 1,2,4 for chargepoint 1, 2 and 4
   - Space bar for all charging points

4. **Click hook for saving**

Local RFID Mode

ABL User Interface

Logged in as OWNER   Change role ▼

Overview   Products   Connectivity   **Operation**   Maintenance

General   OCPP Configuration   OCPP Settings   Eichrecht   Load Management   **Local RFID Mode**
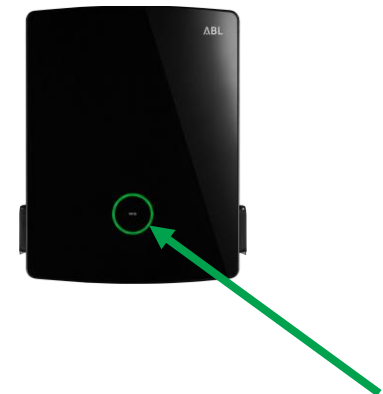
Local RFID Mode. Management of User List.

ℹ **Data was saved successfully.**

RFID - UID	Username	Outlets	Action
0441943AF85680	John Miller	1	≡ 🗑
043052CA4A6580	Jessica Miller	2	≡ 🗑

Add RFID-Card   Delete all

Export User List: **①** Export

Import User List: Durchsuchen... Keine Datei ausgewählt.   Import **②**

Repeat the process until all cards have been taught in

① **List of RFID cards can be exported, e.g. to read them in again at another wallbox**

② **A list of RFID cards can also be imported**

→ Charging sessions can now be released with the corresponding cards

Local RFID Mode

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ABL User Interface

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Logged in as OWNER   Change role ▼

Overview   Products   Connectivity   Operation   **Maintenance**

System   Diagnosis   Logs ▼

Maintenance Functions

System Restart

Soft reset: Restart the application and drivers. The operating system will continue working. It will take up to 100 seconds until the application is accessible again.

Soft reset

Hard reset: Restart the complete system including operating system. It will take up to 150 seconds until the application is accessible again.

1   Hard reset

Switch to the "Maintenance" tab and "System" tab

1 **Click on "Hard reset". Controller restarts**

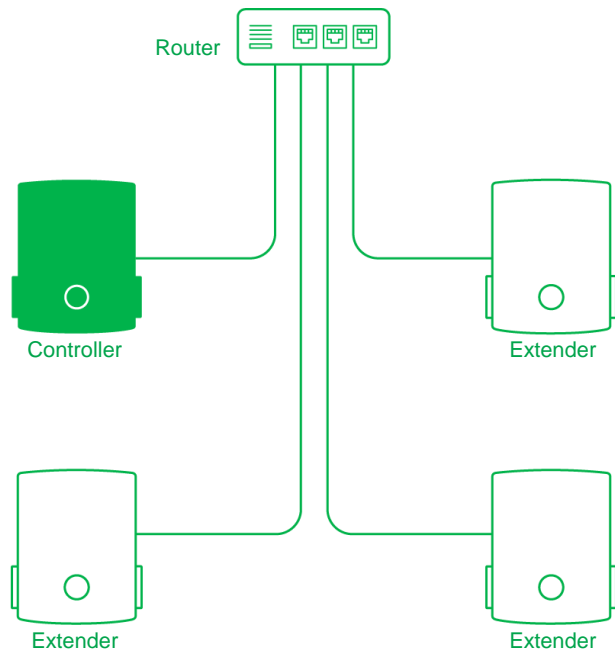**The "Local RFID mode" function is then ready for operation**
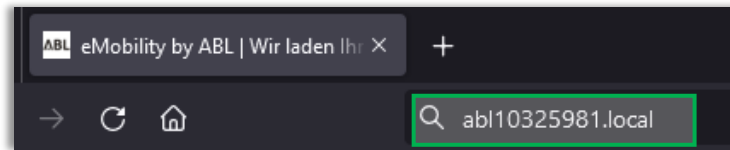
Access options to the web admin

eM4 Controller

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Access to the web admin of the controller wallbox

Wired via Router

Router

Controller

Extender

Extender

Extender

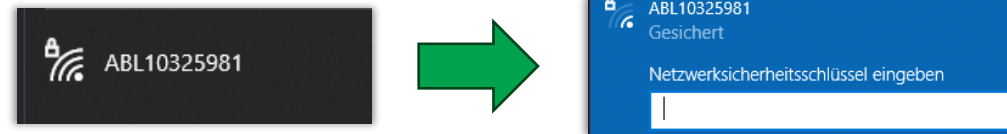* WiFi password of the wallbox (assigned during commissioning)

Variant 1:

- Connection via network cable to a free port of the Routers
  → Input in the address field of a browser:
  abl*serialnumber*.local

Variant 2:

- Select the WiFi of the wallbox– connect – enter password*

  → Input in the address field of a browser:
  10.10.10.200

Variant 3:

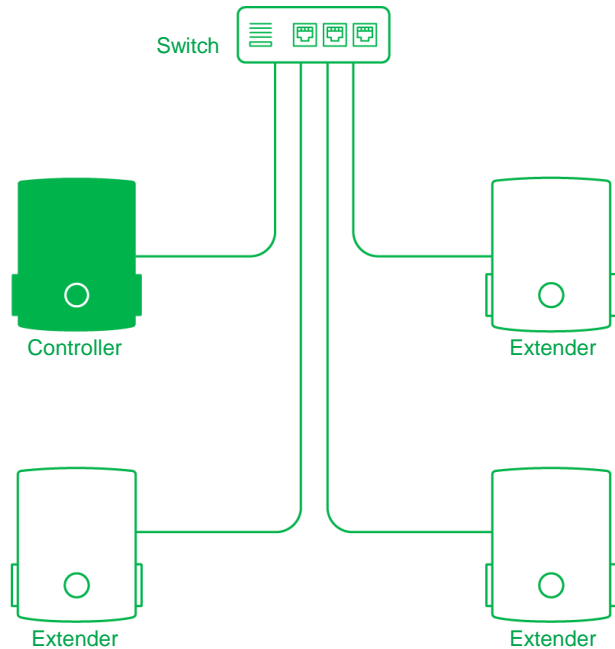- Read out the IP address via the router interface
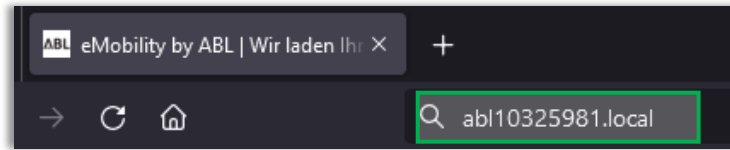

  → Enter the IP address in the address field of a browser

Access to the web admin of the controller wallbox

Wired via Switch (without Router)
DHCP through controller

Switch

Controller

Extender
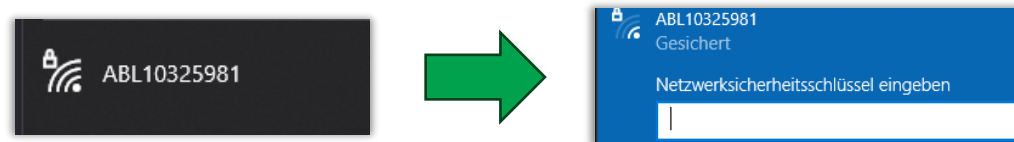
Extender

Extender

Variant 1:

- Connection via network cable to a free port on the switch
  → Input in the address field of a browser :
  abl*serialnumber*.local

Variant 2:
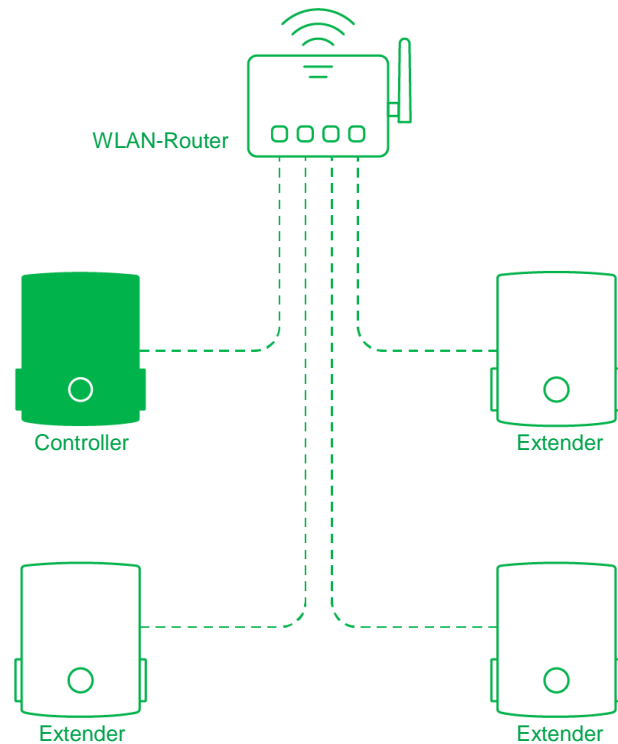
- Select the WiFi of the wallbox– connect – enter password*

→ Input in the address field of a browser:
10.10.10.200

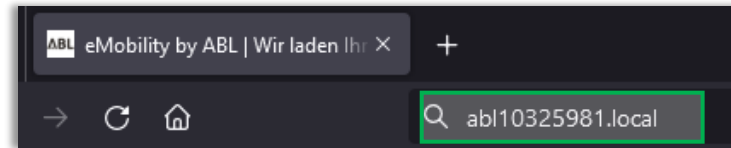* WiFi password of the wallbox (assigned during commissioning)

Access to the web admin of the controller wallbox

Wireless via WiFi-Router

WLAN-Router

Controller

Extender

Extender

Extender

Variant 1:

- Connection to the controller via network cable
  → Input in the address field of a browser:
  abl*serialnumber*.local

Variant 2:

- Read out the IP address via the router interface

sbc4   192.168.1.152

→ Enter the IP address in the address field of a browser

* WiFi password of the wallbox (assigned during commissioning)

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